

LIST OF U.S. CUSTOMS LABORATORY METHODS

USCL NUMBER	METHOD	TITLE
35-01	USCL Manual	<u>Gelatin Analysis</u>
35-02	USCL Manual	<u>Enzyme Assays</u>
35-03	AOAC 948.21	<u>Jelly Strength of Gelatin</u>
35-04	ASTM D 4689	<u>Specification for Adhesive, Casein-Type</u>
35-05	ASTM D 4800	<u>Guide for Classifying and Specifying Adhesives</u>
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USCL METHOD 35-01

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Gelatin Analysis

SAFETY PRECAUTIONS

This method does not purport to address all of the safety problems, if any, associated with its use. It is the responsibility of the user of this method to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to its use.

1 SCOPE AND FIELD OF APPLICATION

The following list of references contains procedures and references which should prove useful in the analysis of gelatin in Chapter 35 HTSUS. This list is being provided for general guidance and should not be considered exhaustive.

2 REFERENCES

USP 23/NF 18

United States Pharmacopeial
Convention, Inc.
Rockville MD, 1994

*Encyclopedia of Industrial
Chemical Analysis*, Volume 13
Editors: F.D. Snell and L.S.

Ettre

Interscience/John Wiley & Sons
Inc. New York, 1971
pp 361-375

The Science and Technology of Gelatin

Editor: A.G. Ward and A.

Courts

Academic Press, NY

***Food Chemicals Codex*, 4th Edition**

Committee on Food Chemicals
Codex
National Academy Press,
Washington D.C. 1996

***Official Methods of Analysis of AOAC International*, 16th Edition**

Editor: Patricia Cunniff
AOAC International, Arlington
VA 1995

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Enzyme Assays

SAFETY PRECAUTIONS

This method does not purport to address all of the safety problems, if any, associated with its use. It is the responsibility of the user of this method to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to its use.

1 SCOPE AND FIELD OF APPLICATION

The following list of references contains procedures and references which should prove useful in the analysis of enzymes in Chapter 35 HTSUS. This list is being provided for general guidance and should not be considered exhaustive.

2 REFERENCES

Food Chemical Codex, 3rd Edition
Committee on Codex Specifications
National Academy of Sciences,
Washington, D.C., 1981

***Handbook of Detection of Enzymes
on Electrophoretic Gels***
Gennady P. Manchenko
CRC Press, Inc., Boca Raton
FL, 1994

Enzyme Nomenclature
International Union of
Biochemistry and Molecular
Biology
Academic Press, NY 1992

***The Chemistry and
Technology of Enzymes***
H. Tauber
John Wiley and Sons, NY

The Enzymes, 3rd Edition
Editor: P.D. Boyer
Academic Press, NY 1971

Enzymes, 2nd Edition
M. Dixon and E.C. Webb
Academic Press, NY 1964

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AOAC 948.21 Jelly Strength of Gelatin

AOAC 948.21
Jelly Strength of Gelatin

SAFETY PRECAUTIONS

This method does not purport to address all of the safety problems, if any, associated with its use. It is the responsibility of the user of this method to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to its use.

1 SCOPE AND FIELD OF APPLICATION

Chapter 35 of the Harmonized Tariff Schedule of the United States (HTSUS) covers albuminoidal substances, modified starches, glues and enzymes. This method is used to determine the jelly strength of gelatin for the purpose of Heading 3503 of the HTSUS.

2 REFERENCE

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ASTM D 4689 Specification for Adhesive, Casein-Type

ASTM D 4689

Specification for Adhesive, Casein-Type

SAFETY PRECAUTIONS

This method does not purport to address all of the safety problems, if any, associated with its use. It is the responsibility of the user of this method to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to its use.

1 SCOPE AND FIELD OF APPLICATION

Chapter 35 of the Harmonized Tariff Schedule of the United States (HTSUS) covers albuminoidal substances, modified starches, glues and enzymes. This method is used to determine the adhesive properties of casein type glue for the purpose of Heading 3506 of the HTSUS.

2 REFERENCE

U.S. CUSTOMS LABORATORY METHODS

USCL METHOD 35-05

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ASTM D 4800 Guide for Classifying and Specifying Adhesives

SAFETY PRECAUTIONS

This method does not purport to address all of the safety problems, if any, associated with its use. It is the responsibility of the user of this method to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to its use.

1 SCOPE AND FIELD OF APPLICATION

Chapter 35 of the Harmonized Tariff Schedule of the United States (HTSUS) covers albuminoidal substances, modified starches, glues and enzymes. This method serves as a guide for classifying and specifying adhesives for the purpose of Heading 3506 of the HTSUS.

2 REFERENCE

ASTM D 4800

Guide for Classifying and Specifying Adhesives

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ASTM D 1488

Test Method for Amylaceous Matter in Adhesives

SAFETY PRECAUTIONS

This method does not purport to address all of the safety problems, if any, associated with its use. It is the responsibility of the user of this method to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to its use.

1 SCOPE AND FIELD OF APPLICATION

Chapter 35 of the Harmonized Tariff Schedule of the United States (HTSUS) covers albuminoidal substances, modified starches, glues and enzymes. This method is used to detect the presence of starch-like material in an adhesive for the purpose of Heading 3506 of the HTSUS.

2 REFERENCE

ASTM D 1488

Test Method for Amylaceous Matter in Adhesives

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Analysis by Microscopy

1923

SAFETY PRECAUTIONS

This method does not purport to address all of the safety problems, if any, associated with its use. It is the responsibility of the user of this method to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to its use.

1 SCOPE AND FIELD OF APPLICATION

The following list of references contains procedures and references which should prove useful in the microscopic examination of different commodities. This list is being provided for general guidance and should not be considered exhaustive.

2 REFERENCES

The Practical Use of the Microscope

George Herbert Needham

Analytical Microscopy, 2nd Edition

T.E. Wallis

Little Brown and Co., Boston,

The Particle Atlas, Edition

Two

Editors: W. McCrone and J.G. Delly
Ann Arbor Science Publishers Inc., Ann Arbor, MI, 1973

Volume I: Principles and Techniques

Volume II: The Light Microscopy Atlas

Volume III: The Electron Microscopy Atlas

Volume IV: The Particle Atlas

The Particle Atlas, Edition Two

Volume V: Light Microscopy Atlas and Techniques

Editors: W. McCrone, J.G. Delly, and S.J. Palenik
Ann Arbor Science Publishers Inc., Ann Arbor, MI, 1979

The Particle Atlas, Edition

Two

***Volume VI: Electron Optical
Atlas and Techniques***

Editors: W. McCrone, J. A.
Brown, and I.M. Stewart
Ann Arbor Science Publishers
Inc., Ann Arbor, MI, 1980

Polarized Light Microscopy

W.C. McCrone, L.B. McCrone,
and J.G. Delly
Ann Arbor Science Publishers
Inc., Ann Arbor, MI, 1979

***Starch: Chemistry and
Technology*, Volume II**

Editors: R.L. Whistler and E.F.
Paschall
Academic Press, NY 1967